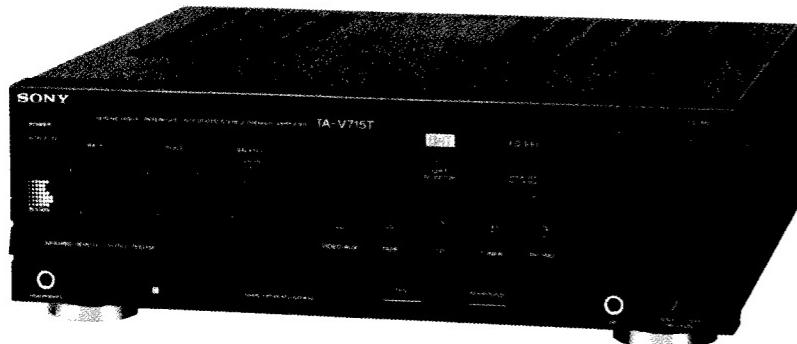


SERVICE MANUAL

TA-V715T

TA-V715T



*AEP Model
UK Model
E Model*

SPECIFICATIONS

Model available in UK, AEP, and West Germany:

Continuous RMS power output
60 W + 60 W
(6 ohms, at 1 kHz, 5% THD)

Music power output
80 W + 80 W
(6 ohms, at 1 kHz, 5% THD)

Model available in E, Saudi Arabia:

Peak music power output
610 W (6 ohms)

Inputs

Jacks	Sensitivity	Impedance
PHONO	2 mV	50 k ohms
CD	150 mV	50 k ohms
VIDEO/AUX	150 mV	50 k ohms
ADAPTOR	150 mV	50 k ohms
DAT	150 mV	50 k ohms
TAPE	150 mV	50 k ohms
MIC	1 mV	10 k ohms

Outputs

Jacks	Voltage	Impedance
VIDEO/AUX	150 mV	4.7 k ohms
DAT	150 mV	4.7 k ohms
TAPE	150 mV	4.7 k ohms

Frequency response
PHONO RIAA curve ±0.5 dB
CD
VIDEO/AUX
TUNER } 15 Hz to 50 kHz +0 -3dB
DAT
TAPE
MIC 100 Hz to 10 kHz +0 -6dB

General

Power requirements

UK model: 240 V AC, 50 Hz
AEP, West Germany model: 220 V AC, 50 Hz
E, Saudi Arabia model: 120 V, 220 V or 240 V
AC, adjustable by AC voltage selector

Power consumption

UK model: 240 W
AEP, West Germany model: 100 W
E, Saudi Arabia model: 120 W

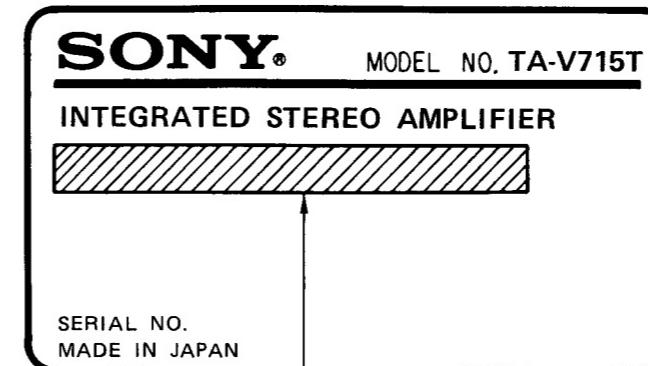
2 unswitched, 100 W max.
Approx. 355 × 117 × 330 mm (w/h/d)
(14 × 4 5/8 × 13 inches)

incl. projecting parts and controls
Approx. 6 kg (13 lb 4 oz)

Supplied accessories
Remote commander (1)
Sony SUM-3 (NS) battery (2)

MODEL IDENTIFICATION

— Specification Label —



AEP, West Germany Model: AC: 220 V ~ 50/60 Hz 100 W

UK Model: AC: 240 V ~ 50/60 Hz 240 W

E, Saudi Arabia Model: AC: 120/220/240 V ~ 50/60 Hz 120 W

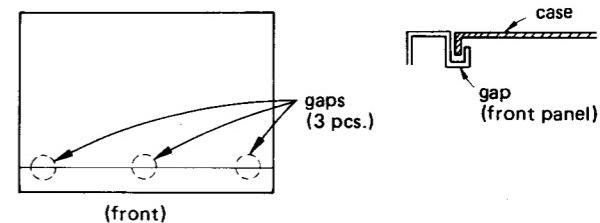
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SERVICING NOTES

On removing the case

Remove the case by lifting it up straightly above.
Unbalanced lifting damages gaps of the front panel
assembly for supporting the case.



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

STEREO AMPLIFIER
SONY®



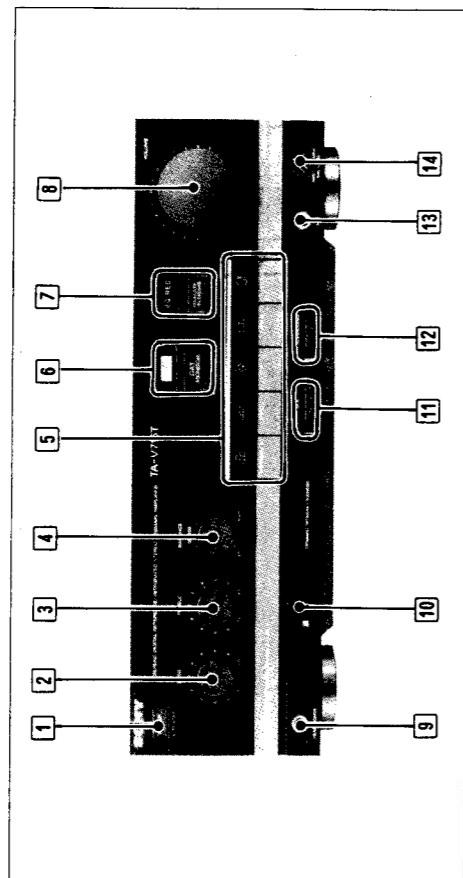
MICROFILM

SECTION 1 GENERAL

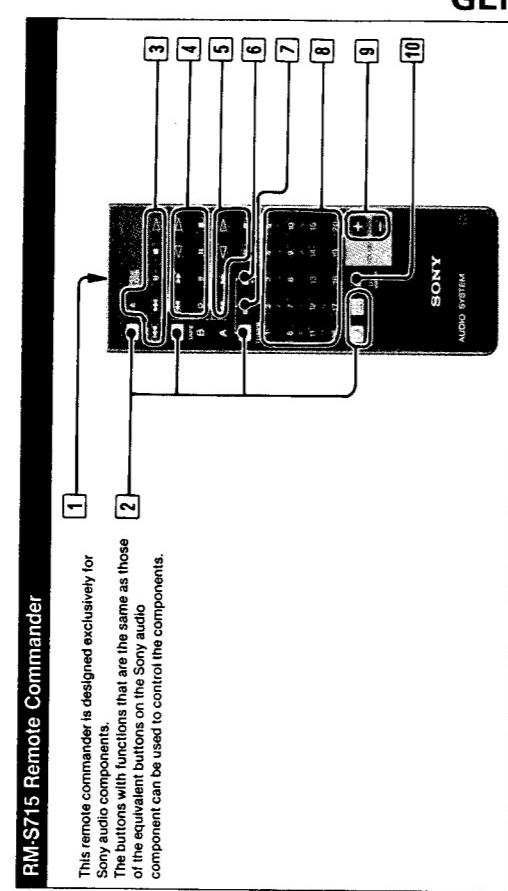
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Parts Identification



-3-



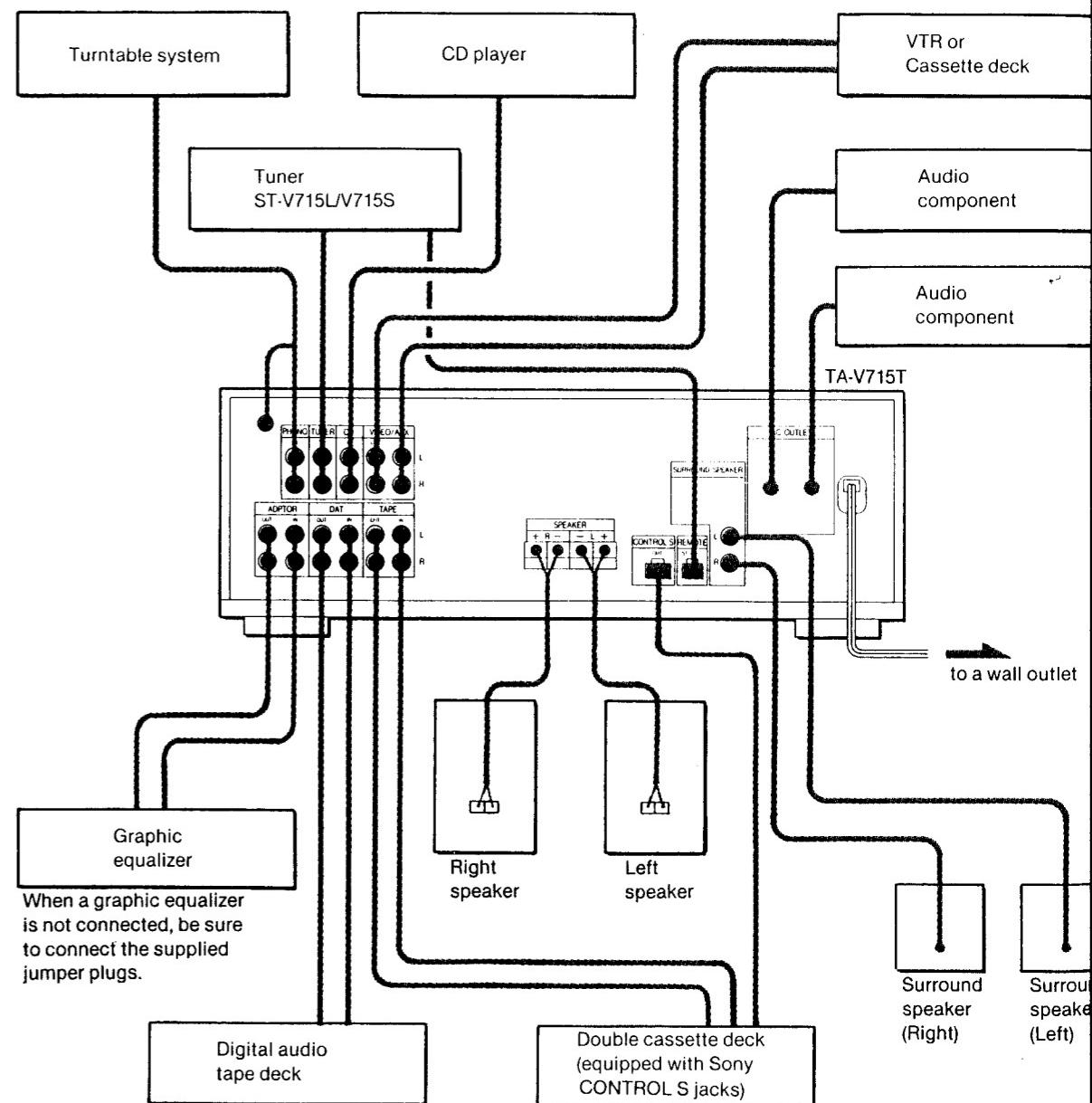
SECTION 1 GENERAL

Connecting the System

Notes on Connection

- Connect the AC power cord last. Make sure power is off.
- Cord plugs and jacks are color coded. Red plugs and jacks are for right channel (R) and white ones for left channel (L).
- Fully insert cable connectors into jacks. Loose connections may cause hum or noise.

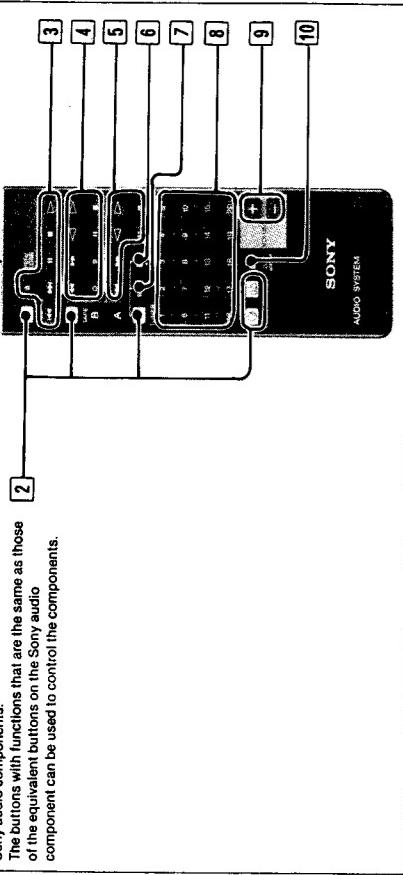
Overall Connection Diagram



-4-

**SECTION 1
GENERAL**

This remote commander is designed exclusively for Sony audio components. The buttons with functions that are the same as those of the equivalent buttons on the Sony audio component can be used to control the components.



- [1] POWER switch
- [2] BASS control
- [3] TREBLE control
- [4] BALANCE control
- [5] Function buttons and indicators
 - VIDEO/AUX
 - TAPE
 - CD (compact disc)
 - PHONO
- [6] DAT (Digital Audio Tape) MONITOR switch and indicator
- [7] EQUALIZER RECORDING switch and indicator
- [8] VOLUME control

- [9] HEADPHONES jack
- [10] Remote sensor
- [11] DOL (Dynamic Optimum Loudness) switch and Indicator
- [12] SURROUND switch and indicator
- [13] MIC (microphone) input jack
- [14] MIC (microphone) LEVEL control
- [15] Infrared ray transmitter
- [16] Function buttons
 - CD
 - TAPE
 - TUNER
 - PHONE
 - VIDEO
- [17] TUNER/CD selector
- [18] BAND selector
- [19] Numeric buttons
 - Operate according to the setting of the TUNER/CD selector.
- [20] TUNER/CD selector
 - TUNER 1 - 12 buttons operate to call the preset stations
 - CD 1 - 20 buttons operate for direct selection on the connected CD player
- [21] VOLUME controls
- [22] DAT (Digital Audio Tape) MONITOR switch
 - Operate the same operation as that on the TA-V715T.

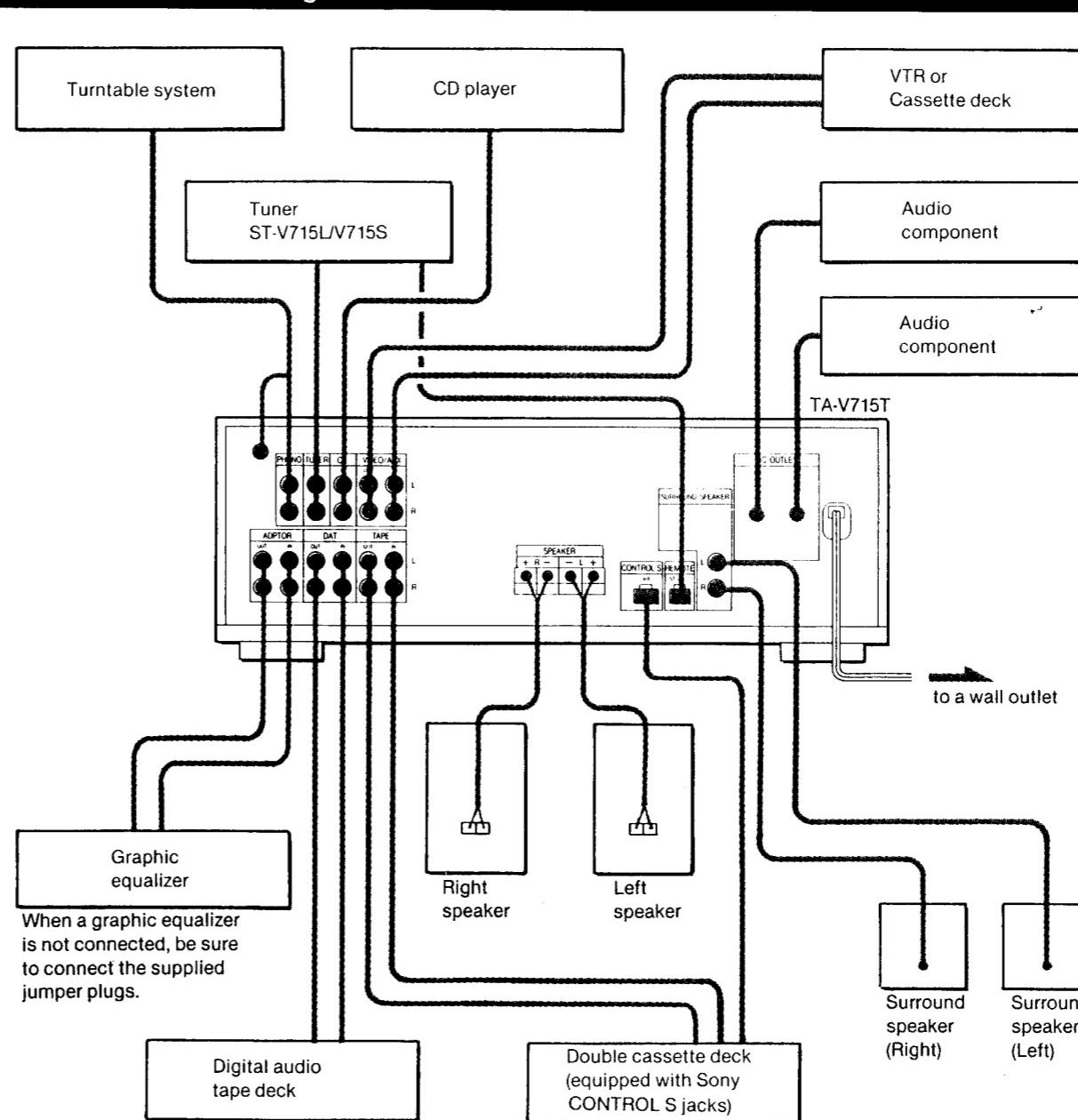
- Notes on the remote commander**
- Keep the commander away from extremely hot or humid place.
 - To avoid malfunction, do not simultaneously depress two or more buttons.
 - Press the DAT MONITOR switch to play the program source connected to DAT IN jacks. To play the program source connected to jacks other than DAT IN, be sure to turn off the lamp on the DAT MONITOR switch by pressing the DAT MONITOR switch again.

Connecting the System

Notes on Connection

- Connect the AC power cord last. Make sure power is off.
- Cord plugs and jacks are color coded. Red plugs and jacks are for right channel (R) and white ones for left channel (L).
- Fully insert cable connectors into jacks. Loose connections may cause hum or noise.

Overall Connection Diagram



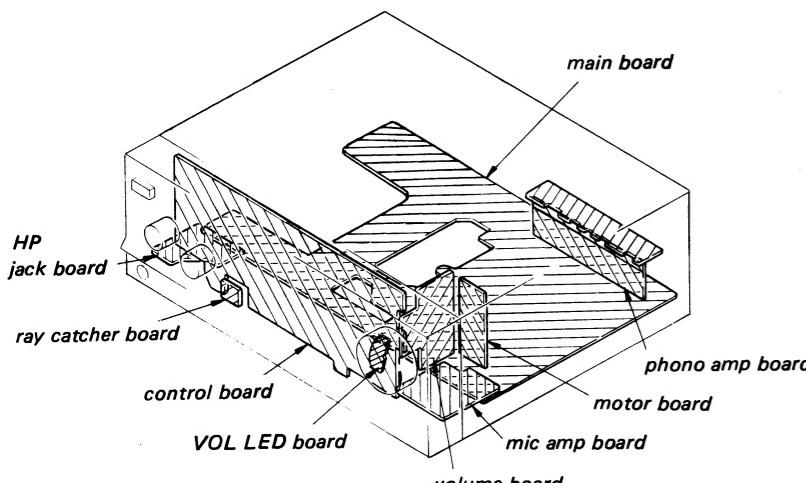
● Semiconductor Lead Layouts

GP1U52	μ PC1237HA	2SK246BL
LA6458D	2SA1317-SU	GMA01
LC4066BH	2SA1346 2SC3330-S 2SC3400 2SC402	HZ5C1 HZ6B2L 10E2N
LC6527CK-3467	2SB1013 2SC1841 2SD1387	RBV-602-01
LC7818	2SB1133S	SLP338FK-51B SLP938C-51AB
M5F7810	M5F7910	2SC3622A-L
STK4152II STK4192II	SLP3070K SLP4076	

**SECTION 2
DIAGRAMS**

2-1. PRINTED WIRING BOARDS

- See page 5 for Semiconductor Lead Layouts.

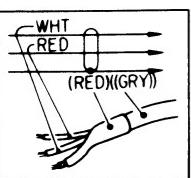


● Semiconductor Location

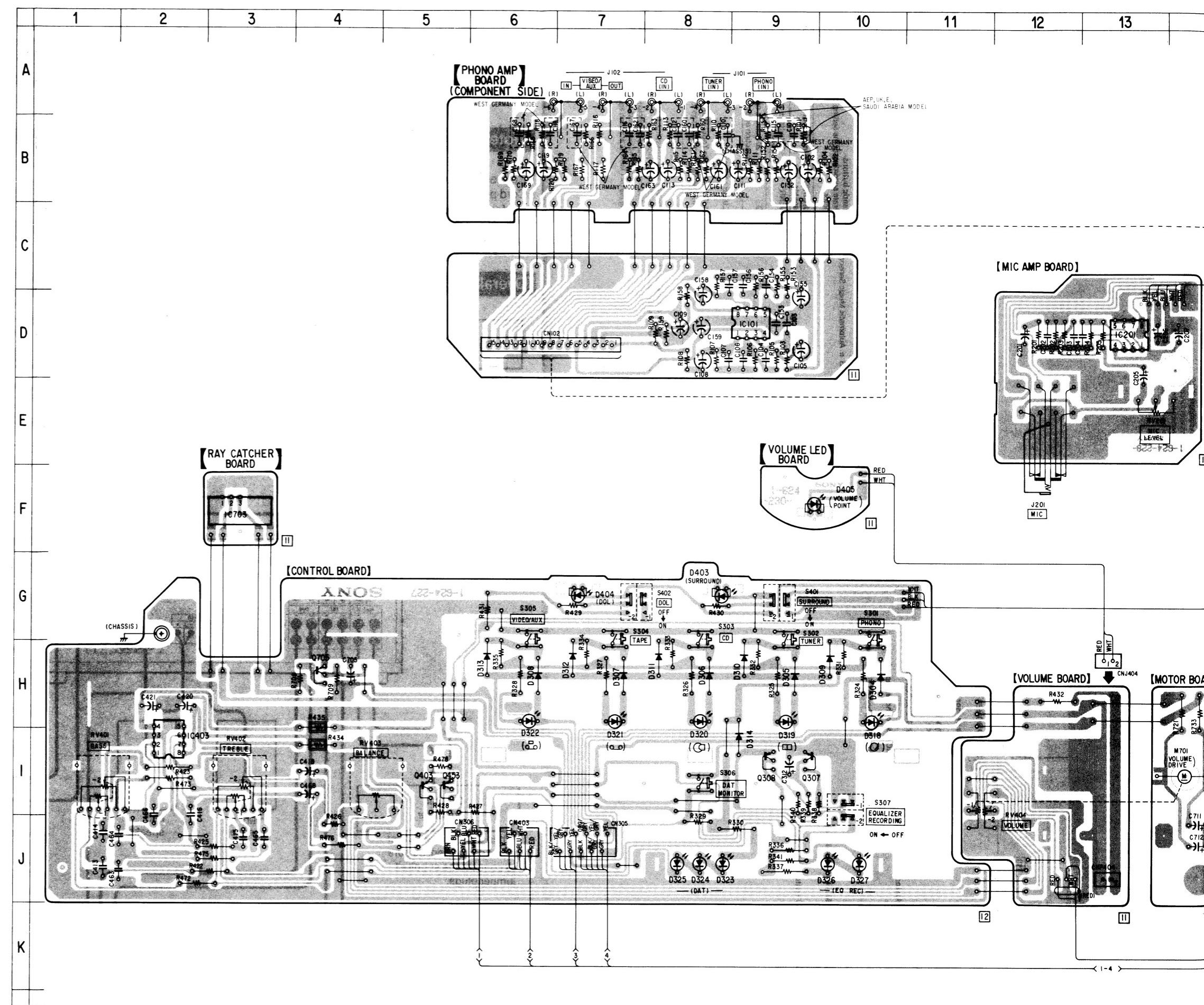
Ref. No.	Location	Ref. No.	Location
D301	E-18	IC101	D-9
D302	E-18	IC201	D-13
D303	G-17	IC301	D-17
D304	H-10	IC302	E-16
D305	H-9	IC303	B-19
D306	H-8	IC401	H-16
D307	H-7	IC402	I-16
D308	H-6	IC403	I-2
D309	H-10	IC501	G-22
D310	H-9	IC701	G-18
D311	H-8	IC702	C-20
D312	H-7	IC703	F-3
D313	H-6	IC801	J-17
D314	I-9	IC802	J-18
D318	H-10		
D319	H-9	Q301	F-17
D320	H-8	Q302	F-17
D321	H-7	Q304	F-16
D322	H-6	Q305	C-19
D323	J-8	Q306	D-19
D324	J-8	Q307	I-9
D325	J-8	Q308	I-9
D326	J-10	Q309	G-17
D327	J-10	Q401	J-16
D401	J-18	Q402	J-16
D402	J-18	Q403	I-5
D403	G-8	Q451	J-17
D404	G-7	Q452	J-17
D405	F-9	Q453	I-5
D451	J-18	Q701	H-18
D452	J-18	Q702	H-18
D701	H-18	Q703	H-18
D703	E-21	Q704	H-18
D704	C-20	Q705	H-4
D705	D-20	Q706	B-20
D706	C-20	Q707	B-21
D707	B-20	Q708	H-18
D709	H-25	Q709	H-18
D753	E-21	Q710	H-18
D801	J-26	Q711	F-21
D805	J-25	Q712	C-20
D806	J-25	Q761	E-21
D807	I-25		
D808	I-25		
D819	J-19		

Note:

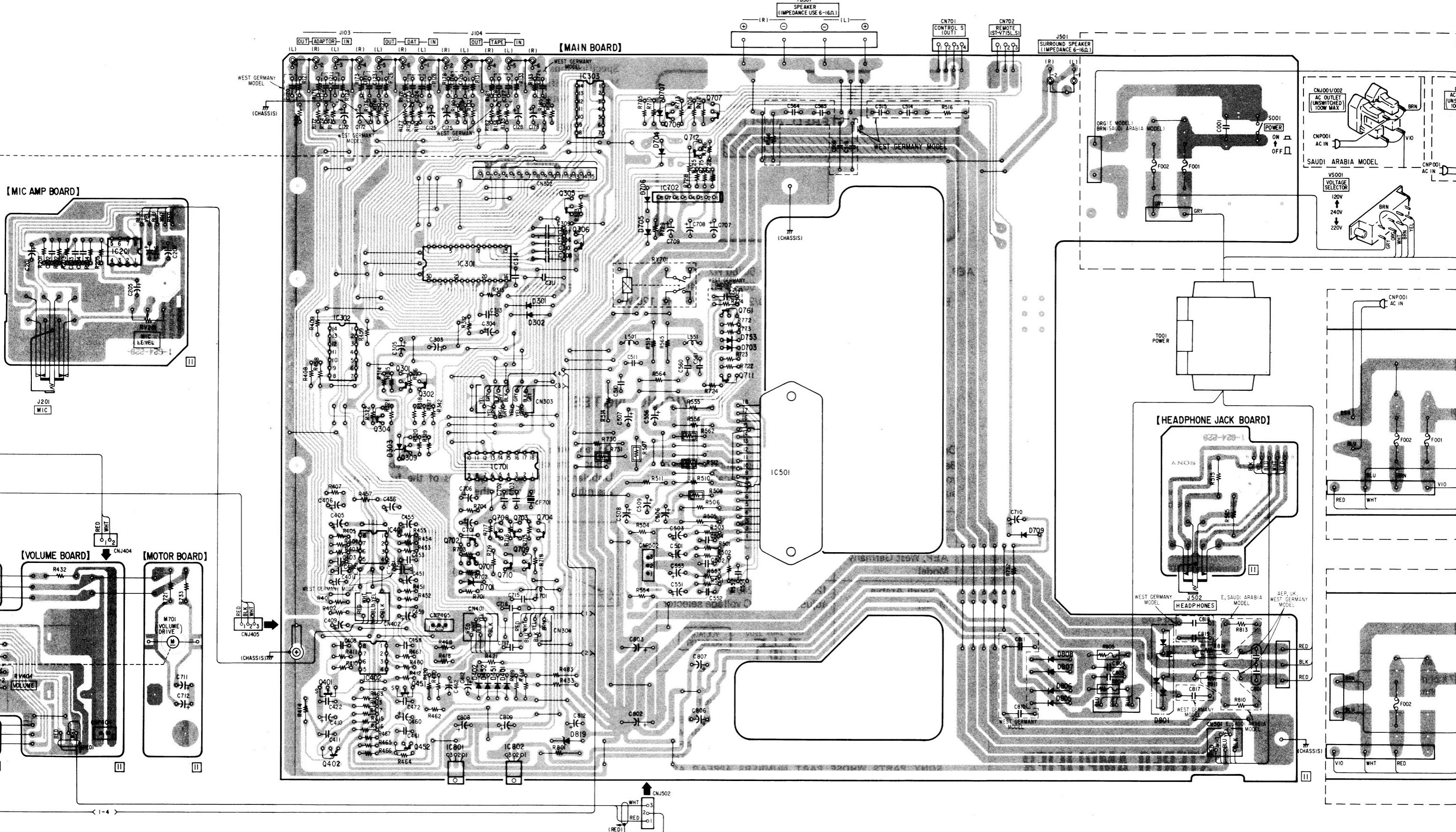
- Color code or sleeving over the end of the jacket.

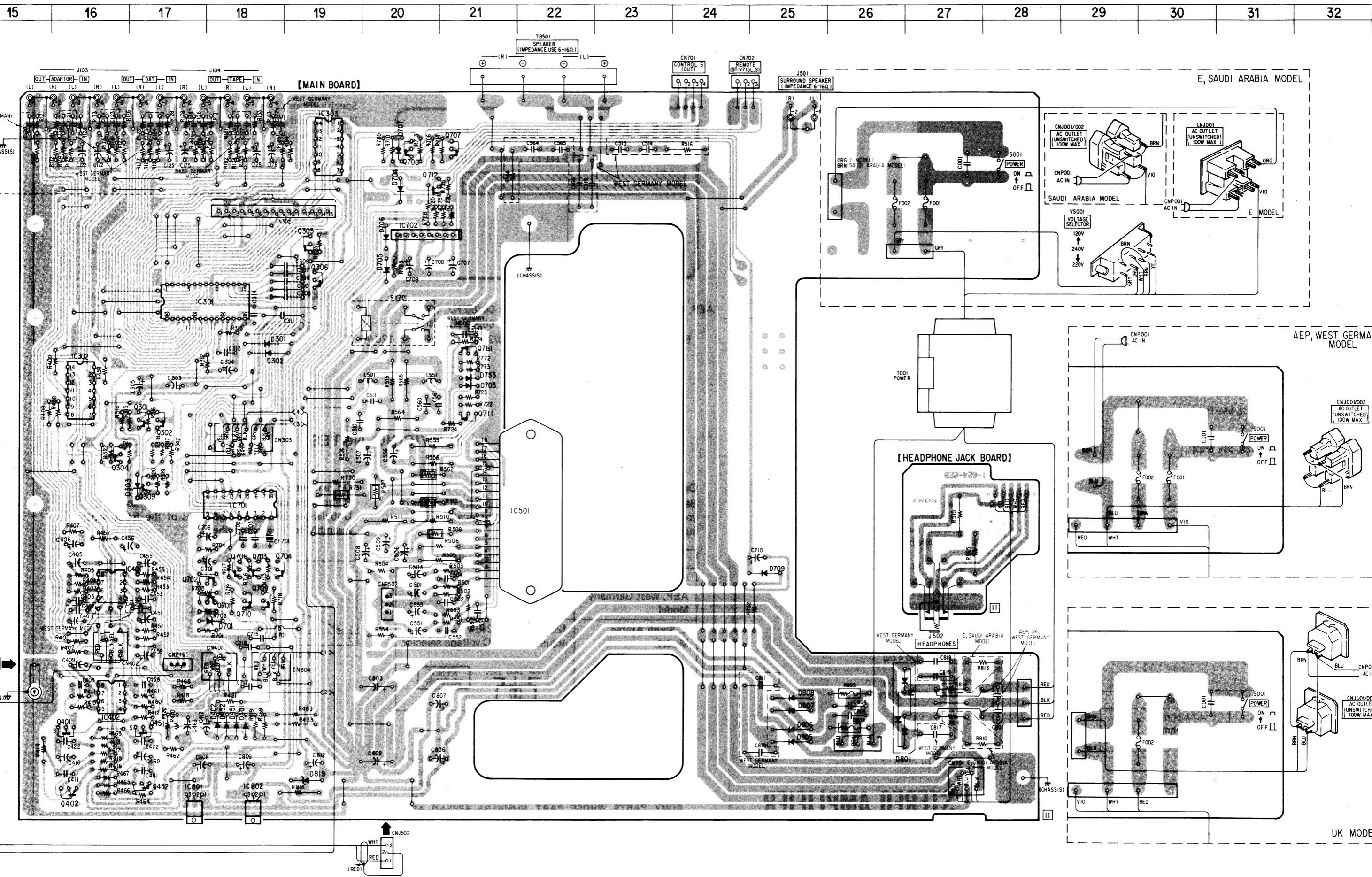


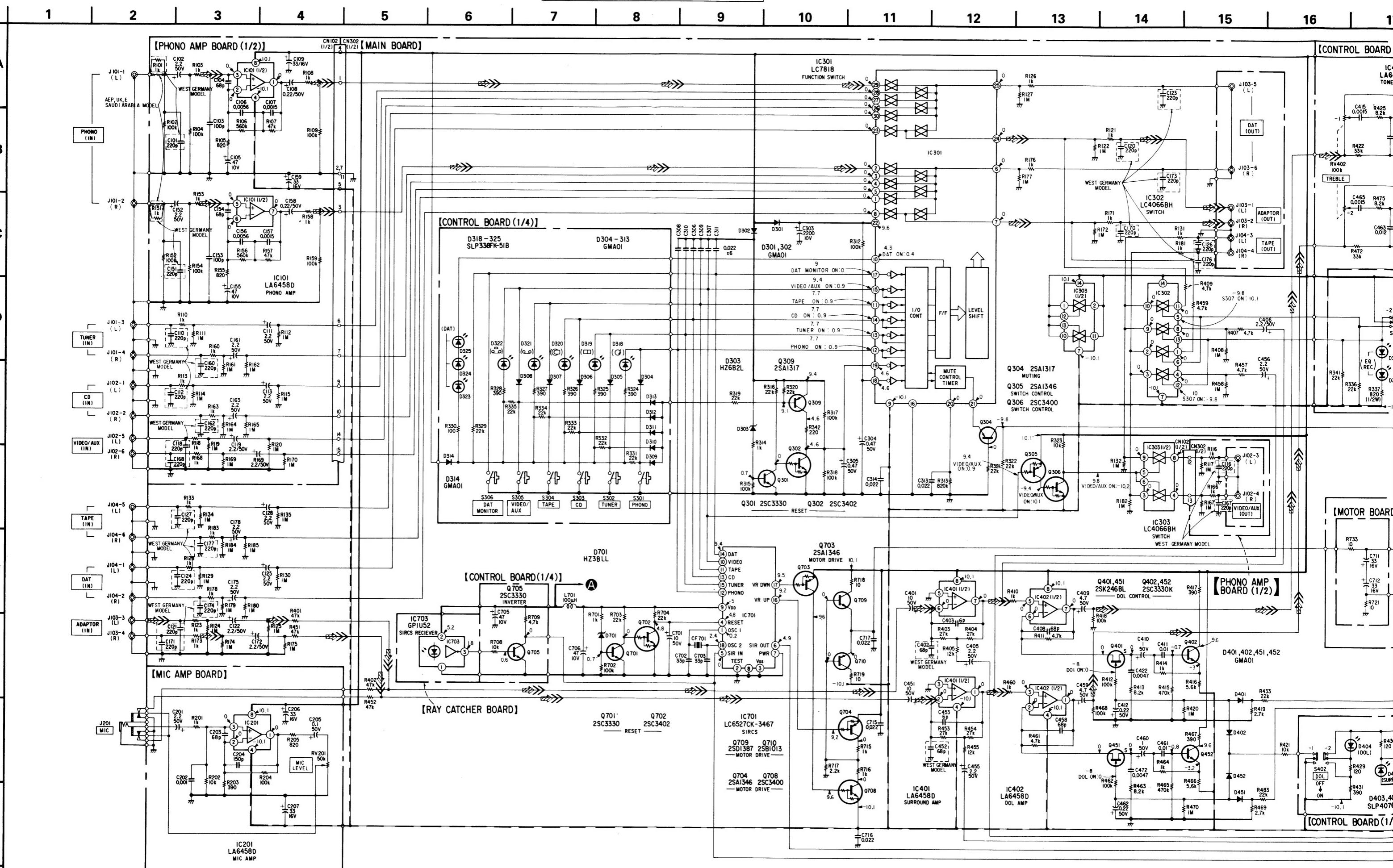
- : parts extracted from the component side.
- : parts extracted from the conductor side.



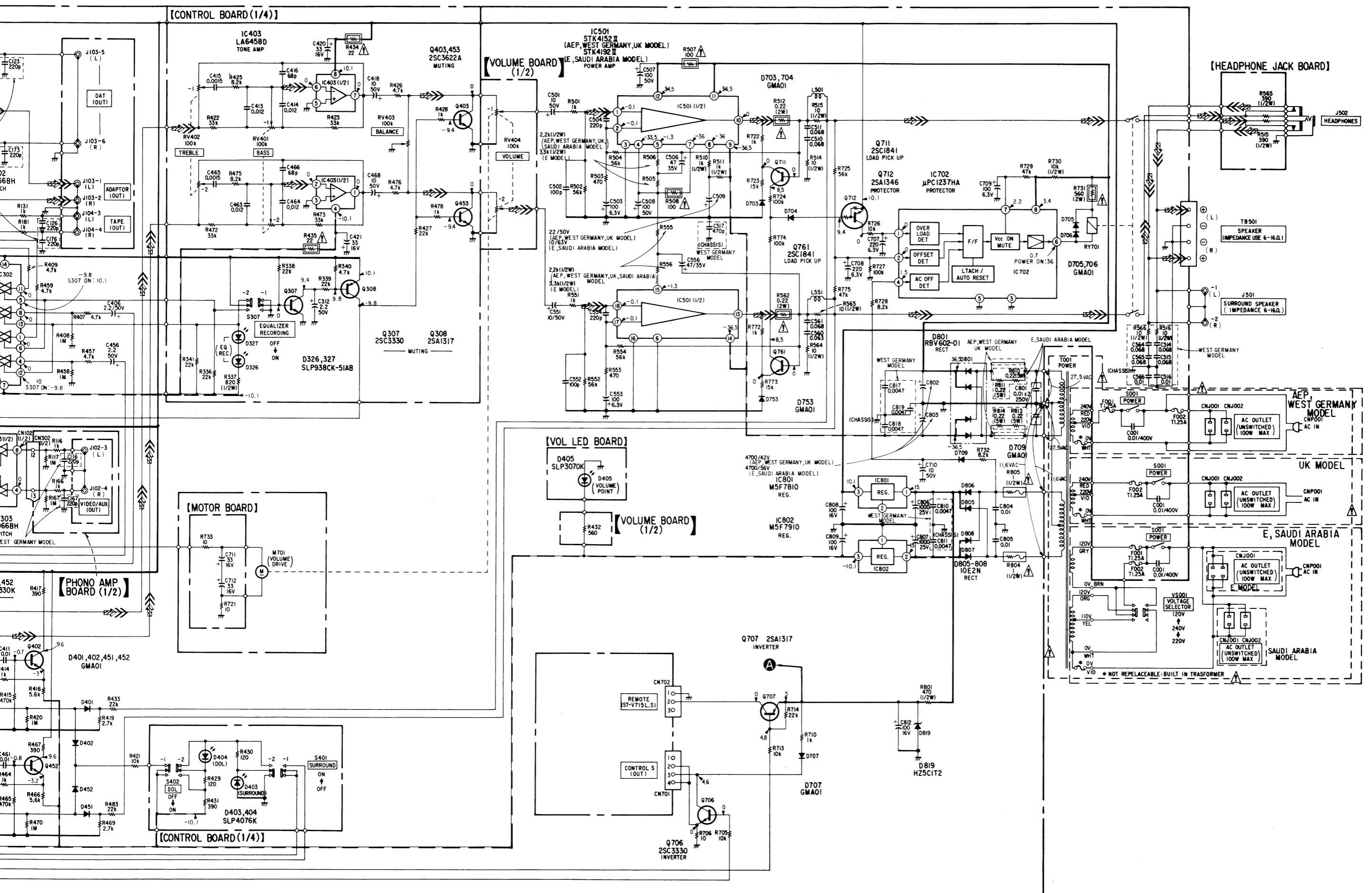
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30







15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

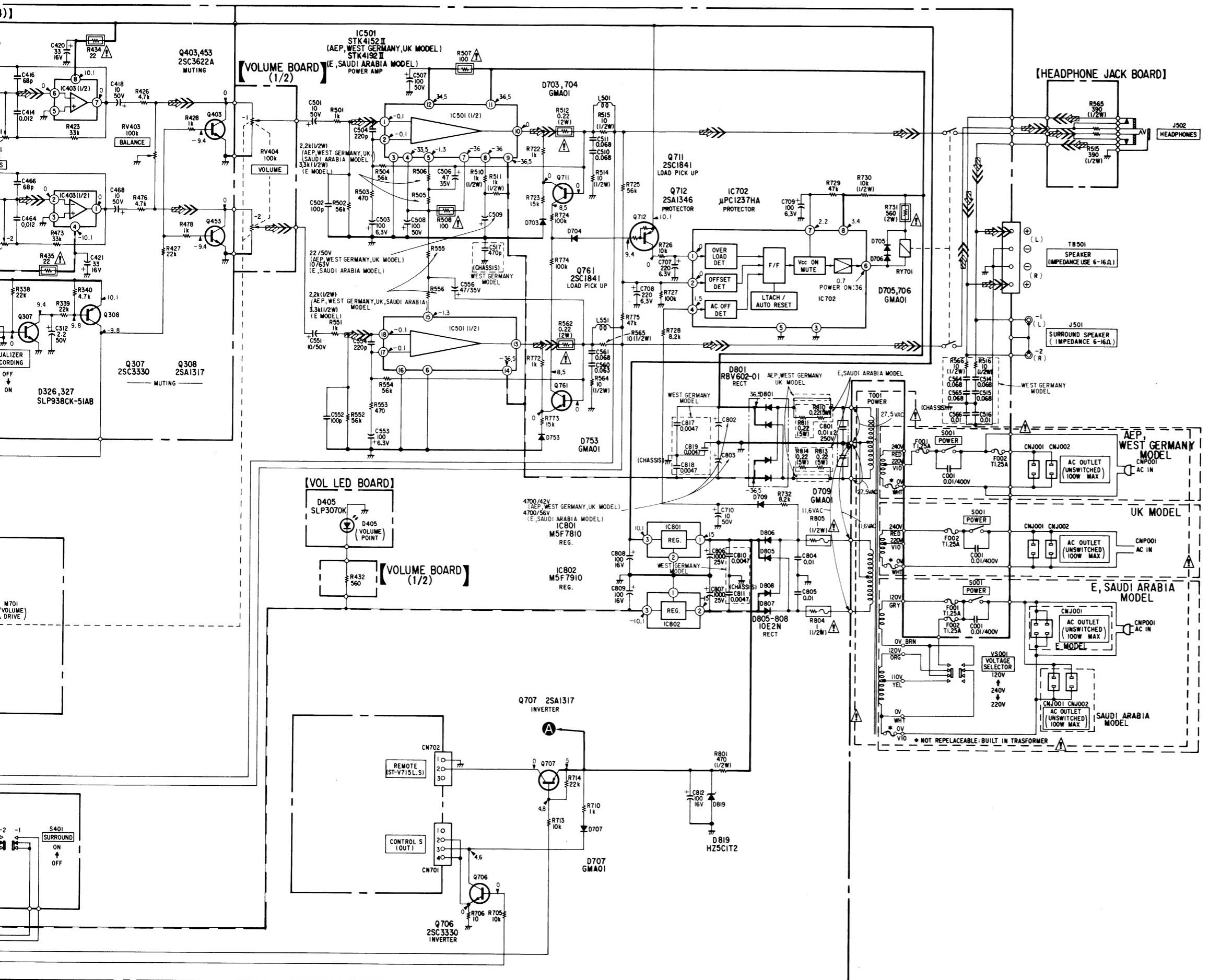


- Note:
- All capacitors are 50WV or less and tantalum unless otherwise specified.
 - All resistors are 1% unless otherwise specified.
 - Voltages under no load are indicated by a single line.
 - Voltages under load are indicated by a double line.
 - Signal path is indicated by a dashed line.
 - Switches are indicated by a switch symbol.

Ref. No.
S001
S301
S302
S303
S304
S305
S306
S307
S401
S402
VS001

Note: The line Re

18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33



- All capacitors are in μF unless otherwise noted. pF: $\mu\mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 -  : nonflammable resistor.
 -  : fusible resistor.
 - Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - Voltages are taken with a VOM (50 $\text{k}\Omega/\text{V}$). Voltage variations may be noted due to normal production tolerances.
 - Signal path.
: PHONO
 - Switch

Ref. No.	Switch	Position
S001	POWER	OFF
S301	PHONO	OFF
S302	TUNER	OFF
S303	CD	OFF
S304	TAPE	OFF
S305	VIDEO/AUX	OFF
S306	DAT MONITOR	OFF
S307	EQUALIZER RECORDING	OFF
S401	SURROUND	OFF
S402	DOL	OFF
VS001	VOLTAGE SELECTOR	240V

Note: The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

SECTION 3 EXPLODED VIEWS

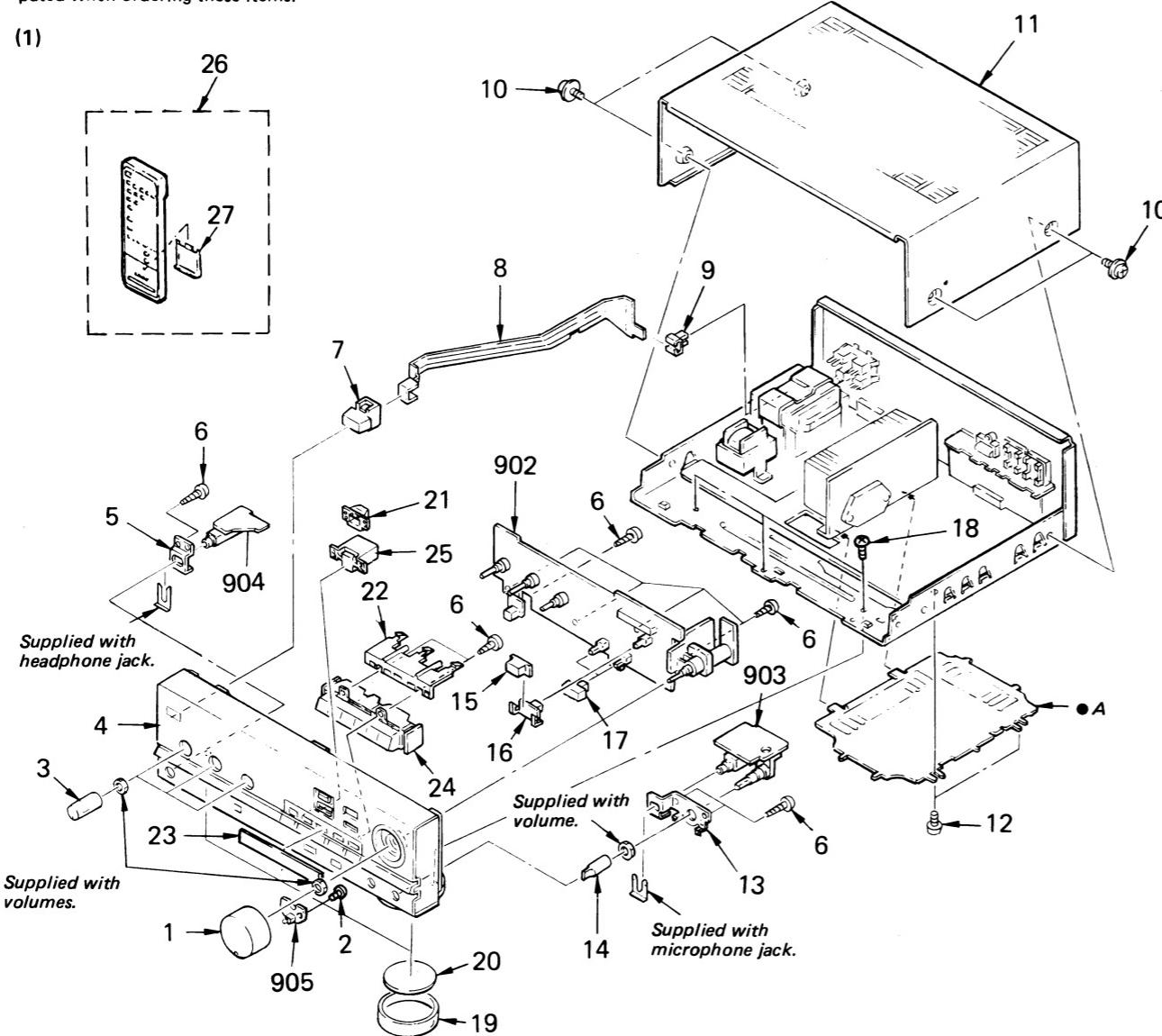
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ ↑
Cabinet's Color Parts Color

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

(1)



No. Part No. Description

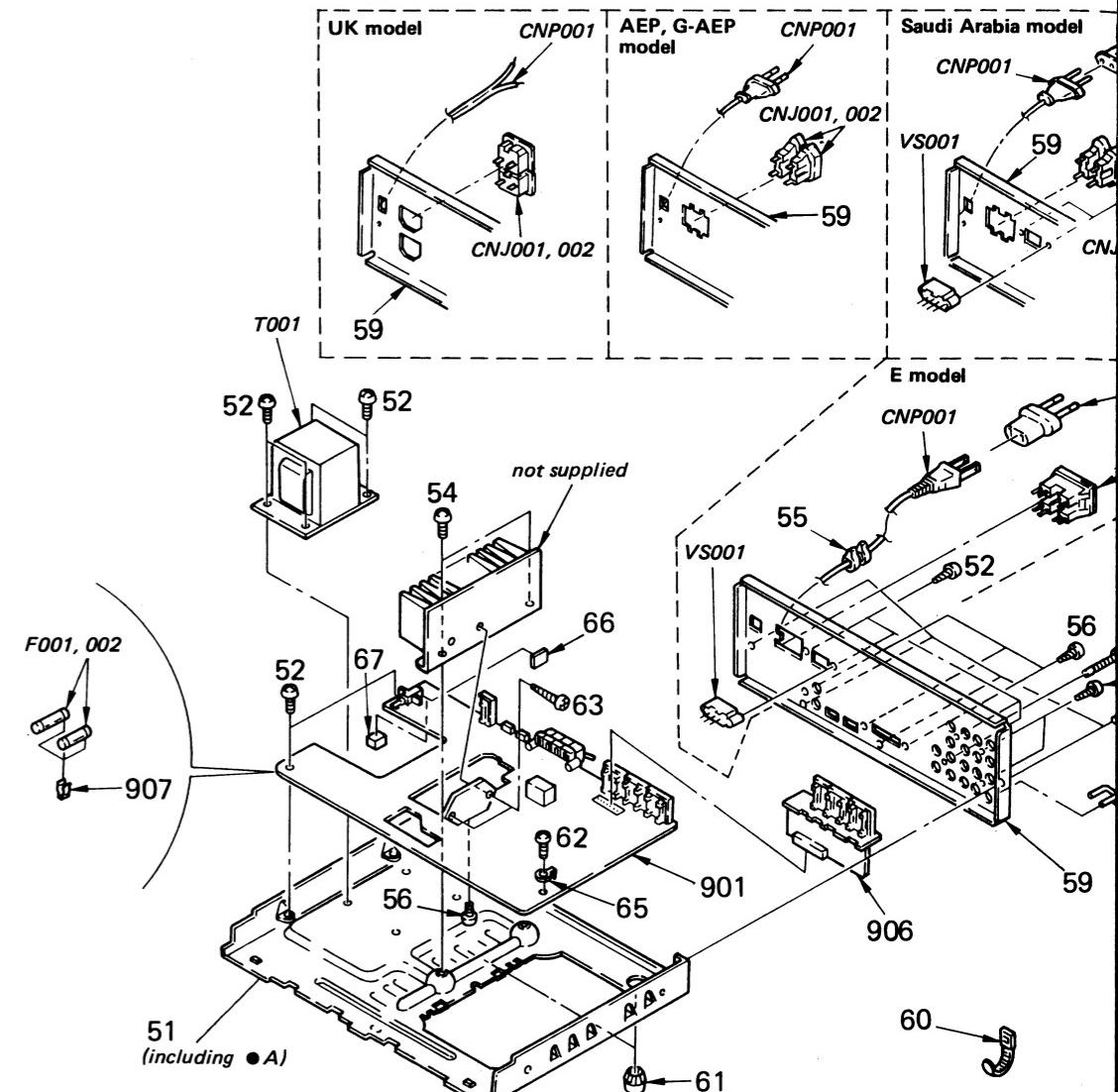
1	4-921-926-01	KNOB (V)
2	7-685-533-11	SCREW +BTP 2.6X6 TYPE2 N-S
3	4-916-746-01	KNOB (DIA.21)
4	X-4917-243-1	PANEL ASSY, FRONT
5	*4-921-909-01	BRACKET (J)
6	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S
7	4-921-919-01	BUTTON (POWER)
8	*4-921-925-01	JOINT
9	4-866-342-00	JOINT (B), KNOB
10	3-704-366-01	SCREW (CASE) (M3X8)
11	4-919-378-31	CASE
12	7-682-548-04	SCREW +BVTT 3X8 (S)
13	*4-921-907-01	BRACKET (M)
14	4-921-921-01	KNOB (MIC LEVEL)
15	4-921-914-01	BUTTON (EQUALIZER RECORDING)

No. Part No. Description Remarks

16	*4-921-911-01	JOINT
17	4-921-920-01	BUTTON (DOL/SURROUND)
18	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S
19	4-921-918-01	PLATE, ORNAMENTAL
20	4-921-906-01	FELT
21	*4-921-908-01	HOLDER, LED
22	*4-921-923-01	HOLDER (FUNCTION), LED
23	*4-921-928-01	INDICATOR (FUNCTION)
24	4-921-927-01	BUTTON (FUNCTION)
25	4-921-915-01	BUTTON (DAT MONITOR)
26	1-465-037-11	REMOTE COMMANDER (RM-S715)
27	2-394-123-01	COVER, BATTERY (FOR RM-S715)
902	*A-4375-340-A	MOUNTED PCB, CONTROL
903	*1-624-228-11	PC BOARD, MICROPHONE AMPLIFIER
904	*1-624-229-11	PC BOARD, HEADPHONE
905	*1-624-230-11	PC BOARD, VOL LED

27

(2)



No.

Part No.

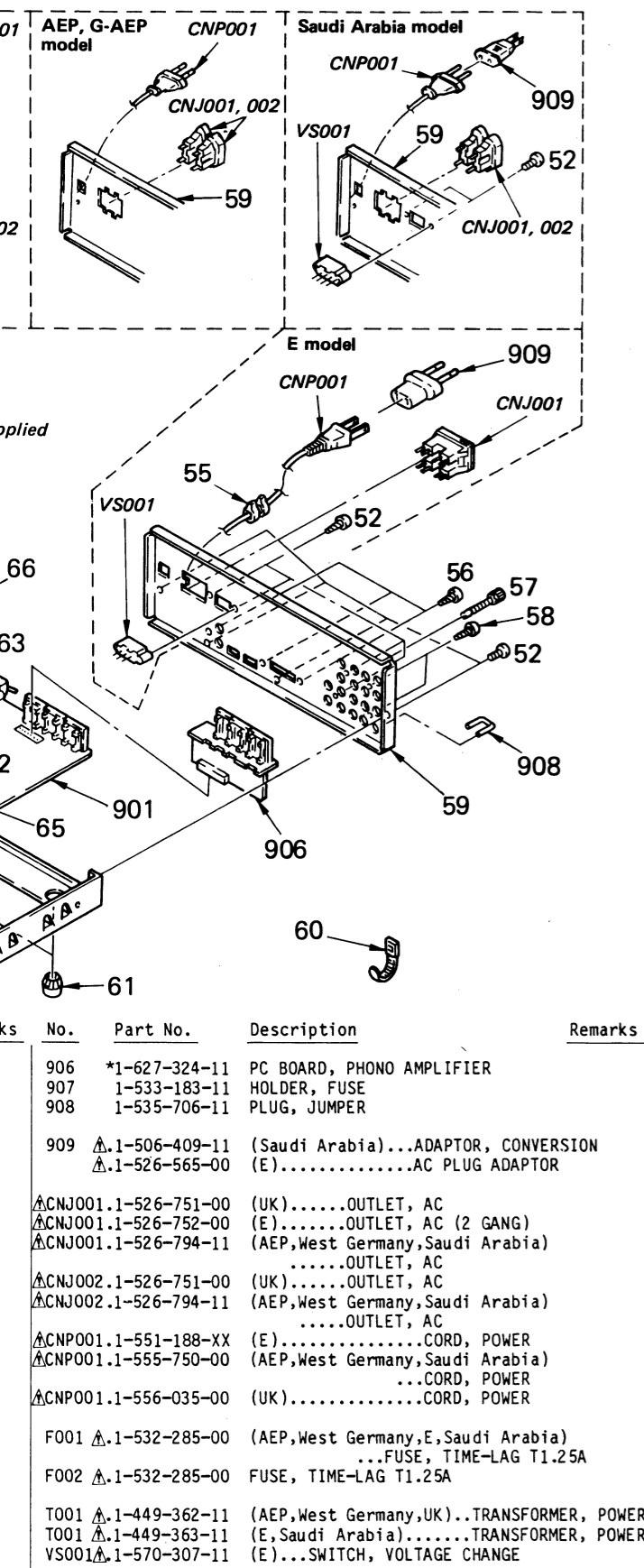
Description

51	*X-4917-246-1	CHASSIS ASSY
52	7-682-548-04	SCREW +BVTT 3X8 (S)
54	7-682-549-04	SCREW +BVTT 3X10 (S)
55	*3-703-244-00	(AEP,West Germany,UK,Saudi Arabia).....BUSHING (2104), CORD
	3-703-571-00	(E).....BUSHING (S) (4516), CORD
56	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S
57	*3-706-165-00	SCREW
58	7-621-849-00	SCREW, TAPPING
59	*4-925-112-01	(AEP).....PANEL, BACK
	*4-925-112-11	(West Germany).....PANEL, BACK
	*4-925-112-21	(UK).....PANEL, BACK
	*4-925-112-41	(E,Saudi Arabia).....PANEL, BACK
60	3-701-748-00	CLAMP
61	X-4921-901-1	FOOT ASSY
62	3-703-685-21	SCREW (+BV 3X8)
63	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3
65	4-870-539-00	PLATE, GROUND
66	9-911-843-XX	SPACER, PC BOARD
67	4-911-357-01	INSULATOR
901	*A-4388-772-A	(AEP).....MOUNTED PCB, MAIN
	*A-4388-773-A	(West Germany).....MOUNTED PCB, MAIN
	*A-4388-774-A	(UK).....MOUNTED PCB, MAIN
	*A-4388-775-A	(E,Saudi Arabia).....MOUNTED PCB, MAIN

Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

SECTION 4

ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: $\mu\mu$ F.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:
UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC, UPD...: μ PD...

The components identified by mark **▲** or dotted line with mark **▲** are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Ref. No.
C411	1-136-153-00	FILM 0.01MF 5% 50V	C707
C412	1-124-464-11	ELECT 0.22MF 20% 50V	C708
C413	1-136-154-00	FILM 0.012MF 5% 50V	C709
C414	1-136-154-00	FILM 0.012MF 5% 50V	C710
C415	1-130-473-00	MYLAR 0.0015MF 5% 50V	C711
C416	1-101-888-00	CERAMIC 68PF 5% 50V	C712
C418	1-123-875-11	ELECT 10MF 20% 50V	C715
C420	1-124-963-11	ELECT 33MF 20% 16V	C716
C421	1-124-963-11	ELECT 33MF 20% 16V	C717
C422	1-130-479-00	MYLAR 0.0047MF 5% 50V	C801
C451	1-123-875-11	ELECT 10MF 20% 50V	C802
C452	1-102-888-00	(West Germany)....CERAMIC 68PF 5% 50V	C802
C453	1-102-943-00	CERAMIC 6PF 0.5PF 50V	C803
C455	1-124-257-00	ELECT 2.2MF 20% 50V	C803
C456	1-124-257-00	ELECT 2.2MF 20% 50V	C803
C458	1-101-888-00	CERAMIC 68PF 5% 50V	C804
C459	1-124-927-11	ELECT 4.7MF 20% 50V	C805
C460	1-124-499-11	ELECT 1MF 20% 50V	C806
C461	1-136-153-00	FILM 0.01MF 5% 50V	C807
C462	1-124-464-11	ELECT 0.22MF 20% 50V	C808
C463	1-136-154-00	FILM 0.012MF 5% 50V	C809
C464	1-136-154-00	FILM 0.012MF 5% 50V	C810
C465	1-130-473-00	MYLAR 0.0015MF 5% 50V	C811
C466	1-101-888-00	CERAMIC 68PF 5% 50V	C812
C468	1-123-875-11	ELECT 10MF 20% 50V	C817
C472	1-130-479-00	MYLAR 0.0047MF 5% 50V	C818
C501	1-123-875-11	ELECT 10MF 20% 50V	C819
C502	1-102-973-00	CERAMIC 100PF 5% 50V	CF701
C503	1-124-443-00	ELECT 100MF 20% 6.3V	CF701
C504	1-102-978-00	CERAMIC 220PF 5% 50V	CF701
C506	1-124-910-11	ELECT 47MF 20% 35V	CN102
C507	1-124-122-11	ELECT 100MF 20% 50V	CN201
C508	1-124-122-11	ELECT 100MF 20% 50V	CN302
C509	1-124-908-11	(AEP, West Germany, UK) ...ELECT 22MF 20% 50V	CN303
C509	1-124-915-11	(E, Saudi Arabia) ...ELECT 10MF 20% 63V	CN304
C510	1-136-163-00	FILM 0.068MF 5% 50V	CN401
C511	1-136-163-00	FILM 0.068MF 5% 50V	CN402
C514	1-136-163-00	(West Germany)....FILM 0.068MF 5% 50V	CN403
C515	1-136-163-00	(West Germany)....FILM 0.068MF 5% 50V	CN404
C516	1-161-379-00	(West Germany)....CERAMIC 0.01MF 30% 25V	CN501
C517	1-162-290-31	(West Germany)....CERAMIC 470PF 10% 50V	CN502
C551	1-123-875-11	ELECT 10MF 20% 50V	CN502
C552	1-102-973-00	CERAMIC 100PF 5% 50V	CN701
C553	1-124-443-00	ELECT 100MF 20% 6.3V	CN702
C554	1-102-978-00	CERAMIC 220PF 5% 50V	ACNJ001.1
C556	1-124-910-11	ELECT 47MF 20% 35V	ACNJ001.1
C560	1-136-163-00	FILM 0.068MF 5% 50V	ACNJ001.1
C561	1-136-163-00	FILM 0.068MF 5% 50V	ACNJ002.1
C564	1-136-163-00	(West Germany)....FILM 0.068MF 5% 50V	ACNJ002.1
C565	1-136-163-00	(West Germany)....FILM 0.068MF 5% 50V	ACNJ002.1
C566	1-161-379-00	(West Germany)....CERAMIC 0.01MF 30% 25V	ACNP001.1
C701	1-123-875-11	ELECT 10MF 20% 50V	ACNP001.1
C702	1-102-963-00	CERAMIC 33PF 5% 50V	ACNP001.1
C703	1-102-963-00	CERAMIC 33PF 5% 50V	ACNP001.1
C705	1-124-446-11	ELECT 47MF 20% 10V	ACNP001.1
C706	1-124-446-11	ELECT 47MF 20% 10V	ACNP001.1
D301			D301
D302			D302
D303			D303

Note: The components identified by mark **▲** or dotted line with mark **▲** are critical for safety.
Replace only with part number specified.

SECTION 4
ELECTRICAL PARTS LIST

909

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- NOTE:**
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
 - Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: μ PF

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:
UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC, UPD...: μ PD...

The components identified by mark or dotted line with mark are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
901	*A-4388-772-A	(AEP).....MOUNTED PCB, MAIN	C158	1-124-464-11	ELECT 0.22MF 20% 50V
	*A-4388-773-A	(West Germany).....MOUNTED PCB, MAIN	C159	1-124-963-11	ELECT 33MF 20% 16V
	*A-4388-774-A	(UK).....MOUNTED PCB, MAIN	C160	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
	*A-4388-775-A	(E,Saudi Arabia).....MOUNTED PCB, MAIN	C161	1-124-257-00	ELECT 2.2MF 20% 50V
902	*A-4375-340-A	MOUNTED PCB, CONTROL	C162	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
903	*1-624-228-11	PC BOARD, MICROPHONE AMPLIFIER	C163	1-124-257-00	ELECT 2.2MF 20% 50V
904	*1-624-229-11	PC BOARD, HEADPHONE	C167	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
905	*1-624-230-11	PC BOARD, VOL LED	C168	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
906	*1-627-324-11	PC BOARD, PHONO AMPLIFIER	C169	1-124-257-00	ELECT 2.2MF 20% 50V
907	1-533-183-11	HOLDER, FUSE	C170	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
908	1-535-706-11	PLUG, JUMPER	C171	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
909	▲1-506-409-11	(Saudi Arabia)...ADAPTOR, CONVERSION	C172	1-124-257-00	ELECT 2.2MF 20% 50V
	▲1-526-565-00	(E).....AC PLUG ADAPTOR	C173	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
C001	1-161-744-00	CERAMIC 0.01MF 400V	C174	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
C101	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C175	1-124-257-00	ELECT 2.2MF 20% 50V
C102	1-124-257-00	ELECT 2.2MF 20% 50V	C176	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
C103	1-162-282-31	CERAMIC 100PF 10% 50V	C177	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V
C104	1-162-219-31	CERAMIC 68PF 5% 50V	C178	1-124-257-00	ELECT 2.2MF 20% 50V
C105	1-124-446-11	ELECT 47MF 20% 10V	C201	1-124-925-11	ELECT 2.2MF 20% 50V
C106	1-130-480-00	MYLAR 0.0056MF 5% 50V	C202	1-162-294-31	CERAMIC 0.001MF 10% 50V
C107	1-130-473-00	MYLAR 0.0015MF 5% 50V	C203	1-162-219-31	CERAMIC 68PF 5% 50V
C108	1-124-464-11	ELECT 0.22MF 20% 50V	C204	1-162-284-31	CERAMIC 150PF 10% 50V
C109	1-124-963-11	ELECT 33MF 20% 16V	C205	1-124-463-00	ELECT 0.1MF 20% 50V
C110	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C206	1-124-963-11	ELECT 33MF 20% 16V
C111	1-124-257-00	ELECT 2.2MF 20% 50V	C207	1-124-963-11	ELECT 33MF 20% 16V
C112	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C303	1-124-893-11	ELECT 2200MF 20% 10V
C113	1-124-257-00	ELECT 2.2MF 20% 50V	C304	1-124-902-00	ELECT 0.47MF 20% 50V
C116	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C305	1-124-902-00	ELECT 0.47MF 20% 50V
C118	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C306	1-161-494-00	CERAMIC 0.022MF 25V
C119	1-124-257-00	ELECT 2.2MF 20% 50V	C307	1-161-494-00	CERAMIC 0.022MF 25V
C120	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C308	1-161-494-00	CERAMIC 0.022MF 25V
C121	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C309	1-161-494-00	CERAMIC 0.022MF 25V
C122	1-124-257-00	ELECT 2.2MF 20% 50V	C310	1-161-494-00	CERAMIC 0.022MF 25V
C123	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C311	1-161-494-00	CERAMIC 0.022MF 25V
C124	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C312	1-124-257-00	ELECT 2.2MF 20% 50V
C125	1-124-257-00	ELECT 2.2MF 20% 50V	C313	1-161-494-00	CERAMIC 0.022MF 25V
C126	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C314	1-161-494-00	CERAMIC 0.022MF 25V
C127	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C401	1-123-875-11	ELECT 10MF 20% 50V
C128	1-124-257-00	ELECT 2.2MF 20% 50V	C402	1-102-888-00	(West Germany)...CERAMIC 68PF 5% 50V
C151	1-162-286-31	(West Germany)...CERAMIC 220PF 10% 50V	C403	1-102-943-00	CERAMIC 6PF 0.5PF 50V
C152	1-124-257-00	ELECT 2.2MF 20% 50V	C405	1-124-257-00	ELECT 2.2MF 20% 50V
C153	1-162-282-31	CERAMIC 100PF 10% 50V	C406	1-124-257-00	ELECT 2.2MF 20% 50V
C154	1-162-219-31	CERAMIC 68PF 5% 50V	C408	1-101-888-00	CERAMIC 68PF 5% 50V
C155	1-124-446-11	ELECT 47MF 20% 10V	C409	1-124-927-11	ELECT 4.7MF 20% 50V
C156	1-130-480-00	MYLAR 0.0056MF 5% 50V	C410	1-124-499-11	ELECT 1MF 20% 50V
C157	1-130-473-00	MYLAR 0.0015MF 5% 50V			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C411	1-136-153-00	FILM 0.01MF 5% 50V	C414	1-136-154-00	FILM 0.012MF 5% 50V
C412	1-124-464-11	ELECT 0.22MF 20% 50V	C415	1-130-473-00	MYLAR 0.0015MF 5% 50V
C413	1-136-154-00	FILM 0.012MF 5% 50V	C416	1-101-888-00	CERAMIC 68PF 5% 50V
C418	1-123-875-11	ELECT 10MF 20% 50V	C420	1-124-963-11	ELECT 33MF 20% 16V
C421	1-124-963-11	ELECT 33MF 20% 16V	C422	1-130-479-00	MYLAR 0.0047MF 5% 50V
C451	1-123-875-11	ELECT 10MF 20% 50V	C452	1-102-888-00	(West Germany)...CERAMIC 68PF 5% 50V
C453	1-102-943-00	CERAMIC 6PF 0.5PF 50V	C455	1-124-257-00	ELECT 2.2MF 20% 50V
C456	1-124-257-00	ELECT 2.2MF 20% 50V	C458	1-101-888-00	CERAMIC 68PF 5% 50V
C459	1-124-927-11	ELECT 4.7MF 20% 50V	C460	1-124-499-11	ELECT 1MF 20% 50V
C461	1-136-153-00	FILM 0.01MF 5% 50V	C462	1-124-464-11	ELECT 0.22MF 20% 50V
C463	1-136-154-00	FILM 0.012MF 5% 50V	C464	1-136-154-00	FILM 0.012MF 5% 50V
C465	1-130-473-00	MYLAR 0.0015MF 5% 50V	C466	1-101-888-00	CERAMIC 68PF 5% 50V
C468	1-123-875-11	ELECT 10MF 20% 50V	C472	1-130-479-00	MYLAR 0.0047MF 5% 50V
C501	1-123-875-11	ELECT 10MF 20% 50V	C502	1-102-973-00	CERAMIC 100PF 5% 50V
C503	1-124-443-00	ELECT 100MF 20% 6.3V	C504	1-102-978-00	CERAMIC 220PF 5% 50V
C506	1-124-910-11	ELECT 47MF 20% 35V	C507	1-124-122-11	ELECT 100MF 20% 50V
C508	1-124-122-11	ELECT 100MF 20% 50V	C509	1-124-908-11	(AEP,West Germany,UK)
C510	1-136-163-00	FILM 0.068MF 5% 50V	C511	1-136-163-00	FILM 0.068MF 5% 50V
C514	1-136-163-00	(West Germany)...FILM 0.068MF 5% 50V	C515	1-136-163-00	(West Germany)...FILM 0.068MF 5% 50V
C516	1-161-379-00	(West Germany)...CERAMIC 0.01MF 30% 25V	C517	1-162-290-31	(West Germany)...CERAMIC 470PF 10% 50V
C518	1-161-379-00	(West Germany)...CERAMIC 0.01MF 30% 25V	C519	1-161-379-00	(West Germany)...CERAMIC 0.01MF 30% 25V
C520	1-161-379-00	(West Germany)...CERAMIC 0.01MF 30% 25V	C521	1-161-379-00	(West Germany)...CERAMIC 0.01MF 30% 25V
C522	1-161-379-00	(West Germany)...CERAMIC 0.01			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
D304	1-806-937-11	DIODE GMA01	IC801	8-759-604-32	IC M5F7810
D305	1-806-937-11	DIODE GMA01	IC802	8-759-604-50	IC M5F7910
D306	1-806-937-11	DIODE GMA01	J101	1-565-258-11	JACK, PIN 4P (PHONO,TUNER)
D307	1-806-937-11	DIODE GMA01	J102	1-565-320-11	JACK, PIN 6P (CD,VIDEO/AUX)
D308	1-806-937-11	DIODE GMA01	J103	1-565-320-11	JACK, PIN 6P (ADAPTOR,DAT OUT)
D309	1-806-937-11	DIODE GMA01	J104	1-565-320-11	JACK, PIN 6P (DAT IN,TAPE)
D310	1-806-937-11	DIODE GMA01	J201	1-507-658-00	JACK (MIC)
D311	1-806-937-11	DIODE GMA01	J501	1-565-352-21	JACK, PIN 2P (SURROUND SPEAKER)
D312	1-806-937-11	DIODE GMA01	J502	1-507-825-00	JACK, LARGE TYPE (HEADPHONES)
D313	1-806-937-11	DIODE GMA01	L501	*1-420-872-00	COIL, AIR CORE
D314	1-806-937-11	DIODE GMA01	L551	*1-420-872-00	COIL, AIR CORE
D318	8-719-969-97	DIODE SLP-338FK-51B	L701	1-410-334-11	INDUCTOR 100UH
D319	8-719-969-97	DIODE SLP-338FK-51B	Q301	8-729-820-23	TRANSISTOR 2SC3330-S
D320	8-719-969-97	DIODE SLP-338FK-51B	Q302	8-729-806-28	TRANSISTOR 2SC3402
D321	8-719-969-97	DIODE SLP-338FK-51B	Q304	8-729-820-10	TRANSISTOR 2SA1317-SU
D322	8-719-969-97	DIODE SLP-338FK-51B	Q305	8-729-806-16	TRANSISTOR 2SA1346
D323	8-719-969-97	DIODE SLP-338FK-51B	Q306	8-729-806-34	TRANSISTOR 2SC3400
D324	8-719-969-97	DIODE SLP-338FK-51B	Q307	8-729-820-23	TRANSISTOR 2SC3330-S
D325	8-719-969-97	DIODE SLP-338FK-51B	Q308	8-729-820-10	TRANSISTOR 2SA1317-SU
D326	8-719-969-87	DIODE SLP-938C-51AB	Q309	8-729-820-10	TRANSISTOR 2SA1317-SU
D327	8-719-969-87	DIODE SLP-938C-51AB	Q401	8-729-224-63	TRANSISTOR 2SK246BL
D401	1-806-937-11	DIODE GMA01	Q402	8-729-820-23	TRANSISTOR 2SC3330K-S
D402	1-806-937-11	DIODE GMA01	Q403	8-729-107-91	TRANSISTOR 2SC3622A
D403	8-719-969-96	DIODE SLP4076	Q451	8-729-224-63	TRANSISTOR 2SK246BL
D404	8-719-969-96	DIODE SLP4076	Q452	8-729-820-23	TRANSISTOR 2SC3330-S
D405	8-719-969-90	DIODE SLP3070K	Q453	8-729-107-91	TRANSISTOR 2SC3622A
D451	1-806-937-11	DIODE GMA01	Q701	8-729-820-23	TRANSISTOR 2SC3330-S
D452	1-806-937-11	DIODE GMA01	Q702	8-729-806-28	TRANSISTOR 2SC3402
D701	8-719-942-32	DIODE HZ3BLL	Q703	8-729-806-16	TRANSISTOR 2SA1346
D703	1-806-937-11	DIODE GMA01	Q704	8-729-806-16	TRANSISTOR 2SA1346
D704	1-806-937-11	DIODE GMA01	Q705	8-729-820-23	TRANSISTOR 2SC3330-S
D705	1-806-937-11	DIODE GMA01	Q706	8-729-820-23	TRANSISTOR 2SC3330-S
D706	1-806-937-11	DIODE GMA01	Q707	8-729-820-10	TRANSISTOR 2SA1317-SU
D707	1-806-937-11	DIODE GMA01	Q708	8-729-806-34	TRANSISTOR 2SC3400
D709	1-806-937-11	DIODE GMA01	Q709	8-729-801-93	TRANSISTOR 2SD1387
D753	1-806-937-11	DIODE GMA01	Q710	8-729-801-83	TRANSISTOR 2SB1013
D801	8-719-302-38	DIODE RBV-602-01	Q711	8-729-108-06	TRANSISTOR 2SC1841
D805	8-719-200-77	DIODE 10E2N	Q712	8-729-806-16	TRANSISTOR 2SA1346
D806	8-719-200-77	DIODE 10E2N	Q761	8-729-108-06	TRANSISTOR 2SC1841
D807	8-719-200-77	DIODE 10E2N	R101	1-249-417-11	(West Germany)...CARBON 1K 5% 1/4W
D808	8-719-200-77	DIODE 10E2N	R102	1-249-441-11	CARBON 100K 5% 1/4W
D819	8-719-911-50	DIODE HZ5C1	R103	1-249-417-11	CARBON 1K 5% 1/4W
F001	A.1-532-285-00	(AEP,West Germany,E,Saudi Arabia) ...FUSE, TIME-LAG T1.25A	R104	1-249-441-11	CARBON 100K 5% 1/4W
F002	A.1-532-285-00	FUSE, TIME-LAG T1.25A	R105	1-249-416-11	CARBON 820 5% 1/4W
			R106	1-247-897-11	CARBON 560K 5% 1/4W
IC101	8-759-820-38	IC LA6458D	R107	1-249-417-11	CARBON 47K 5% 1/4W
IC201	8-759-820-38	IC LA6458D	R108	1-249-417-11	CARBON 1K 5% 1/4W
IC301	8-759-820-52	IC LC7818	R109	1-249-441-11	CARBON 100K 5% 1/4W
IC302	8-759-800-37	IC LC4066BH	R110	1-249-417-11	CARBON 1K 5% 1/4W
IC303	8-759-800-37	IC LC4066BH	R111	1-247-903-00	CARBON 1M 5% 1/4W
IC401	8-759-820-38	IC LA6458D	R112	1-247-903-00	CARBON 1M 5% 1/4W
IC402	8-759-820-38	IC LA6458D	R113	1-249-417-11	CARBON 1K 5% 1/4W
IC403	8-759-820-38	IC LA6458D	R114	1-247-903-00	CARBON 1M 5% 1/4W
IC501	8-749-900-78	(E,Saudi Arabia).....IC STK4192II	R115	1-247-903-00	CARBON 1M 5% 1/4W
IC501	8-749-941-52	(AEP,West Germany,UK)....IC STK4152II	R116	1-249-417-11	CARBON 1K 5% 1/4W
IC701	8-759-800-07	IC LC6527CK-3467	R117	1-247-903-00	CARBON 1M 5% 1/4W
IC702	8-759-111-68	IC UPC1237HA	R118	1-249-417-11	CARBON 1K 5% 1/4W
IC703	8-749-920-03	IC GP1U52			

Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description		Ref.No.	Part No.	Description	
R119	1-247-903-00	CARBON	1M 5% 1/4W	R312	1-249-441-11	CARBON	100K 5% 1/4W
R120	1-247-903-00	CARBON	1M 5% 1/4W	R313	1-247-901-11	CARBON	820K 5% 1/4W
R121	1-249-417-11	CARBON	1K 5% 1/4W	R314	1-249-417-11	CARBON	1K 5% 1/4W
R122	1-247-903-00	CARBON	1M 5% 1/4W	R315	1-249-441-11	CARBON	100K 5% 1/4W
R123	1-249-417-11	CARBON	1K 5% 1/4W	R316	1-249-433-11	CARBON	22K 5% 1/4W
R124	1-247-903-00	CARBON	1M 5% 1/4W	R317	1-249-441-11	CARBON	100K 5% 1/4W
R125	1-247-903-00	CARBON	1M 5% 1/4W	R318	1-249-441-11	CARBON	100K 5% 1/4W
R126	1-249-417-11	CARBON	1K 5% 1/4W	R319	1-249-433-11	CARBON	22K 5% 1/4W
R127	1-247-903-00	CARBON	1M 5% 1/4W	R320	1-249-433-11	CARBON	22K 5% 1/4W
R128	1-249-417-11	CARBON	1K 5% 1/4W	R321	1-249-433-11	CARBON	22K 5% 1/4W
R129	1-247-903-00	CARBON	1M 5% 1/4W	R322	1-249-433-11	CARBON	22K 5% 1/4W
R130	1-247-903-00	CARBON	1M 5% 1/4W	R323	1-249-429-11	CARBON	10K 5% 1/4W
R131	1-249-417-11	CARBON	1K 5% 1/4W	R324	1-247-707-11	CARBON	390 5% 1/4W
R132	1-247-903-00	CARBON	1M 5% 1/4W	R325	1-247-707-11	CARBON	390 5% 1/4W
R133	1-249-417-11	CARBON	1K 5% 1/4W	R326	1-247-707-11	CARBON	390 5% 1/4W
R134	1-247-903-00	CARBON	1M 5% 1/4W	R327	1-247-707-11	CARBON	390 5% 1/4W
R135	1-247-903-00	CARBON	1M 5% 1/4W	R328	1-247-707-11	CARBON	390 5% 1/4W
R151	1-249-417-11 (West Germany)...	CARBON	1K 5% 1/4W	R329	1-249-433-11	CARBON	22K 5% 1/4W
R152	1-249-441-11	CARBON	100K 5% 1/4W	R330	1-247-700-11	CARBON	100 5% 1/4W
R153	1-249-417-11	CARBON	1K 5% 1/4W	R331	1-249-433-11	CARBON	22K 5% 1/4W
R154	1-249-441-11	CARBON	100K 5% 1/4W	R332	1-249-433-11	CARBON	22K 5% 1/4W
R155	1-249-416-11	CARBON	820 5% 1/4W	R333	1-249-433-11	CARBON	22K 5% 1/4W
R156	1-247-897-11	CARBON	560K 5% 1/4W	R334	1-249-433-11	CARBON	22K 5% 1/4W
R157	1-249-437-11	CARBON	47K 5% 1/4W	R335	1-249-433-11	CARBON	22K 5% 1/4W
R158	1-249-417-11	CARBON	1K 5% 1/4W	R336	1-249-433-11	CARBON	22K 5% 1/4W
R159	1-249-441-11	CARBON	100K 5% 1/4W	R337	1-247-751-11	CARBON	820 5% 1/2W
R160	1-249-417-11	CARBON	1K 5% 1/4W	R338	1-249-433-11	CARBON	22K 5% 1/4W
R161	1-247-903-00	CARBON	1M 5% 1/4W	R339	1-249-433-11	CARBON	22K 5% 1/4W
R162	1-247-903-00	CARBON	1M 5% 1/4W	R340	1-249-425-11	CARBON	4.7K 5% 1/4W
R163	1-249-417-11	CARBON	1K 5% 1/4W	R341	1-249-433-11	CARBON	22K 5% 1/4W
R164	1-247-903-00	CARBON	1M 5% 1/4W	R342	1-249-409-11	CARBON	220 5% 1/4W
R165	1-247-903-00	CARBON	1M 5% 1/4W	R401	1-249-437-11	CARBON	47K 5% 1/4W
R166	1-249-417-11	CARBON	1K 5% 1/4W	R402	1-249-437-11	CARBON	47K 5% 1/4W
R167	1-247-903-00	CARBON	1M 5% 1/4W	R403	1-249-434-11	CARBON	27K 5% 1/4W
R168	1-249-417-11	CARBON	1K 5% 1/4W	R404	1-249-434-11	CARBON	27K 5% 1/4W
R169	1-247-903-00	CARBON	1M 5% 1/4W	R405	1-249-430-11	CARBON	12K 5% 1/4W
R170	1-247-903-00	CARBON	1M 5% 1/4W	R407	1-249-425-11	CARBON	4.7K 5% 1/4W
R171	1-249-417-11	CARBON	1K 5% 1/4W	R408	1-247-903-00	CARBON	1M 5% 1/4W
R172	1-247-903-00	CARBON	1M 5% 1/4W	R409	1-249-425-11	CARBON	4.7K 5% 1/4W
R173	1-249-417-11	CARBON	1K 5% 1/4W	R410	1-249-417-11	CARBON	1K 5% 1/4W
R174	1-247-903-00	CARBON	1M 5% 1/4W	R411	1-249-425-11	CARBON	4.7K 5% 1/4W
R175	1-247-903-00	CARBON	1M 5% 1/4W	R412	1-249-441-11	CARBON	100K 5% 1/4W
R176	1-249-417-11	CARBON	1K 5% 1/4W	R413	1-249-428-11	CARBON	8.2K 5% 1/4W
R177	1-247-903-00	CARBON	1M 5% 1/4W	R414	1-249-417-11	CARBON	1K 5% 1/4W
R178	1-249-417-11	CARBON	1K 5% 1/4W	R415	1-247-895-00	CARBON	470K 5% 1/4W
R179	1-247-903-00	CARBON	1M 5% 1/4W	R416	1-249-426-11	CARBON	5.6K 5% 1/4W
R180	1-247-903-00	CARBON	1M 5% 1/4W	R417	1-249-412-11	CARBON	390 5% 1/4W
R181	1-249-417-11	CARBON	1K 5% 1/4W	R418	1-249-441-11	CARBON	100K 5% 1/4W
R182	1-247-903-00	CARBON	1M 5% 1/4W	R419	1-249-422-11	CARBON	2.7K 5% 1/4W
R183	1-249-417-11	CARBON	1K 5% 1/4W	R420	1-247-903-00	CARBON	1M 5% 1/4W
R184	1-247-903-00	CARBON	1M 5% 1/4W	R421	1-249-429-11	CARBON	10K 5% 1/4W
R185	1-247-903-00	CARBON	1M 5% 1/4W	R422	1-249-435-11	CARBON	33K 5% 1/4W
R201	1-249-417-11	CARBON	1K 5% 1/4W	R423	1-249-435-11	CARBON	33K 5% 1/4W
R202	1-249-429-11	CARBON	10K 5% 1/4W	R425	1-249-428-11	CARBON	8.2K 5% 1/4W
R203	1-249-412-11	CARBON	390 5% 1/4W	R426	1-249-425-11	CARBON	4.7K 5% 1/4W
R204	1-249-441-11	CARBON	100K 5% 1/4W	R427	1-249-433-11	CARBON	22K 5% 1/4W
R205	1-249-416-11	CARBON	820 5% 1/4W	R428	1-249-417-11	CARBON	1K 5% 1/4W
				R429	1-249-406-11	CARBON	120 5% 1/4W

Ref.No.	Part No.	Description		Ref.No.	Part No.	Description	
R430	1-249-406-11	CARBON	120 5% 1/4W	R516	1-247-727-11	(West Germany)...CARBON	10 5% 1/2W
R431	1-247-707-11	CARBON	390 5% 1/4W	R551	1-249-417-11	CARBON	1K 5% 1/4W
R432	1-247-710-11	CARBON	560 5% 1/4W	R552	1-249-438-11	CARBON	56K 5% 1/4W
R433	1-249-433-11	CARBON	22K 5% 1/4W	R553	1-249-413-11	CARBON	470 5% 1/4W
R434	▲.1-247-692-11	CARBON	22 5% 1/4W F	R554	1-249-438-11	CARBON	56K 5% 1/4W
R435	▲.1-247-692-11	CARBON	22 5% 1/4W F	R555	1-247-756-11	(AEP,UK,West Germany,Saudi Arabia) .CARBON 2.2K 5% 1/2W	
R451	1-249-437-11	CARBON	47K 5% 1/4W	R555	1-247-758-11	(E).....CARBON 3.3K 5% 1/2W	
R452	1-249-437-11	CARBON	47K 5% 1/4W	R556	1-247-756-11	(AEP,UK,West Germany,Saudi Arabia) .CARBON 2.2K 5% 1/2W	
R453	1-249-434-11	CARBON	27K 5% 1/4W	R556	1-247-758-11	(E).....CARBON 3.3K 5% 1/2W	
R454	1-249-434-11	CARBON	27K 5% 1/4W	R562	1-217-156-00	RES, METAL PLATE 0.22	
R455	1-249-430-11	CARBON	12K 5% 1/4W	R564	1-247-727-11	CARBON	10 5% 1/2W
R457	1-249-425-11	CARBON	4.7K 5% 1/4W	R565	1-247-727-11	(MAIN BOARD)...CARBON	10 5% 1/2W
R458	1-247-903-00	CARBON	1M 5% 1/4W	R565	1-247-746-11	(HEADPHONE JACK BOARD)	
R459	1-249-425-11	CARBON	4.7K 5% 1/4W	R566	1-247-727-11	(West Germany)...CARBON	10 5% 1/2W
R460	1-249-417-11	CARBON	1K 5% 1/4W	R701	1-249-417-11	CARBON	1K 5% 1/4W
R461	1-249-425-11	CARBON	4.7K 5% 1/4W	R702	1-249-441-11	CARBON	100K 5% 1/4W
R462	1-249-441-11	CARBON	100K 5% 1/4W	R703	1-249-433-11	CARBON	22K 5% 1/4W
R463	1-249-428-11	CARBON	8.2K 5% 1/4W	R704	1-249-433-11	CARBON	22K 5% 1/4W
R464	1-249-417-11	CARBON	1K 5% 1/4W	R705	1-249-429-11	CARBON	10K 5% 1/4W
R465	1-247-895-00	CARBON	470K 5% 1/4W	R706	1-249-393-11	CARBON	10 5% 1/4W
R466	1-249-426-11	CARBON	5.6K 5% 1/4W	R708	1-249-429-11	CARBON	10K 5% 1/4W
R467	1-249-412-11	CARBON	390 5% 1/4W	R709	1-249-425-11	CARBON	4.7K 5% 1/4W
R468	1-249-441-11	CARBON	100K 5% 1/4W	R710	1-249-417-11	CARBON	1K 5% 1/4W
R469	1-249-422-11	CARBON	2.7K 5% 1/4W	R713	1-249-429-11	CARBON	10K 5% 1/4W
R470	1-247-903-00	CARBON	1M 5% 1/4W	R714	1-249-433-11	CARBON	22K 5% 1/4W
R472	1-249-435-11	CARBON	33K 5% 1/4W	R715	1-249-417-11	CARBON	1K 5% 1/4W
R473	1-249-435-11	CARBON	33K 5% 1/4W	R716	1-249-417-11	CARBON	1K 5% 1/4W
R475	1-249-428-11	CARBON	8.2K 5% 1/4W	R717	1-249-421-11	CARBON	2.2K 5% 1/4W
R476	1-249-425-11	CARBON	4.7K 5% 1/4W	R718	1-249-393-11	CARBON	10 5% 1/4W
R478	1-249-417-11	CARBON	1K 5% 1/4W	R719	1-249-393-11	CARBON	10 5% 1/4W
R483	1-249-433-11	CARBON	22K 5% 1/4W	R721	1-247-688-11	CARBON	10 5% 1/4W
R501	1-249-417-11	CARBON	1K 5% 1/4W	R722	1-249-417-11	CARBON	1K 5% 1/4W
R502	1-249-438-11	CARBON	56K 5% 1/4W	R723	1-249-431-11	CARBON	15K 5% 1/4W
R503	1-249-413-11	CARBON	470 5% 1/4W	R724	1-249-441-11	CARBON	100K 5% 1/4W
R504	1-249-438-11	CARBON	56K 5% 1/4W	R725	1-249-438-11	CARBON	56K 5% 1/4W
R505	1-247-756-11	(AEP,UK,West Germany,Saudi Arabia) .CARBON 2.2K 5% 1/2W		R726	1-249-429-11	CARBON	10K 5% 1/4W
R505	1-247-758-11	(E).....CARBON 3.3K 5% 1/2W		R727	1-249-441-11	CARBON	100K 5% 1/4W
R506	1-247-756-11	(AEP,UK,West Germany,Saudi Arabia) .CARBON 2.2K 5% 1/2W		R728	1-249-428-11	CARBON	8.2K 5% 1/4W
R506	1-247-758-11	(E).....CARBON 3.3K 5% 1/2W		R729	1-249-437-11	CARBON	47K 5% 1/4W
R507	▲.1-212-881-11	FUSIBLE	100 5% 1/4W F	R730	1-247-764-11	CARBON	10K 5% 1/2W
R508	▲.1-212-881-11	FUSIBLE	100 5% 1/4W F	R731	▲.1-216-455-11	METAL OXIDE	560 5% 2W F
R510	1-247-752-11	CARBON	1K 5% 1/2W	R732	1-249-428-11	CARBON	8.2K 5% 1/4W
R511	1-247-752-11	CARBON	1K 5% 1/2W	R733	1-247-688-11	CARBON	10 5% 1/4W
R512	1-217-156-00	RES, METAL PLATE 0.22		R772	1-249-417-11	CARBON	1K 5% 1/4W
R514	1-247-727-11	CARBON	10 5% 1/2W	R773	1-249-431-11	CARBON	15K 5% 1/4W
R515	1-247-727-11	(MAIN BOARD)...CARBON	10 5% 1/2W	R774	1-249-441-11	CARBON	100K 5% 1/4W
R515	1-247-746-11	(HEADPHONE JACK BOARD)		R775	1-249-437-11	CARBON	47K 5% 1/4W
		...CARBON	390 5% 1/2W				

Note: The components identified by mark ▲ or dotted line with mark ▲ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description
R801	1-247-747-11	CARBON 470 5% 1/2W
R804	△.1-212-934-00	FUSIBLE 1 5% 1/2W F
R805	△.1-212-934-00	FUSIBLE 1 5% 1/2W F
R810	1-217-156-00	(E,Saudi Arabia)..RES, METAL PLATE 0.22
R811	1-217-156-00	(E,Saudi Arabia)..RES, METAL PLATE 0.22
R813	1-217-156-00	(E,Saudi Arabia)..RES, METAL PLATE 0.22
R814	1-217-156-00	(E,Saudi Arabia)..RES, METAL PLATE 0.22
RV201	1-237-883-11	RES, VAR, CARBON 50K (MIC LEVEL)
RV401	1-237-881-11	RES, VAR, CARBON 100K/100K (BASS)
RV402	1-237-881-11	RES, VAR, CARBON 100K/100K (TREBLE)
RV403	1-237-882-11	RES, VAR, CARBON 100K (BALANCE)
RV404	1-237-884-11	RES, VAR, CARBON 100K/100K (VOLUME)
RY701	1-515-501-00	RELAY
S001	△.1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)
S301	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S302	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S303	1-554-303-21	SWITCH, KEY BOARD (CD)
S304	1-554-303-21	SWITCH, KEY BOARD (TAPE)
S305	1-554-303-21	SWITCH, KEY BOARD (VIDEO/AUX)
S306	1-554-303-21	SWITCH, KEY BOARD (DAT MONITOR)
S307	1-571-292-11	SWITCH, PUSH (1 KEY) (EQUALIZER RECORDING)
S401	1-571-292-11	SWITCH, PUSH (1 KEY)(SURROUND)
S402	1-571-292-11	SWITCH, PUSH (1 KEY)(DOL)
T001	△.1-449-362-11	(AEP,West Germany,UK)TRANSFORMER, POWER
T001	△.1-449-363-11	(E,Saudi Arabia)...TRANSFORMER, POWER
TB001	*1-535-139-00	(E,Saudi Arabia)BASE POST 22MM (10MM PITCH) 2P
TB001	*1-535-141-00	(AEP,West Germany,UK)BASE POST 22MM (10MM PITCH) 4P
TB002	*1-535-139-00	(UK,E,Saudi Arabia) ...BASE POST 22MM (10MM PITCH) 2P
TB501	1-536-705-00	TERMINAL BOARD (SPEAKER)
TB801	*1-535-116-00	TERMINAL
TB802	*1-535-116-00	TERMINAL
VS001	△.1-570-307-11	(E,Saudi Arabia)..SWITCH, VOLTAGE CHANGE

ACCESSORY & PACKING MATERIAL

3-786-200-11 (AEP,UK,E,Saudi Arabia)...MANUAL,
INSTRUCTION (ENGLISH,FRENCH,SPANISH)
3-786-200-41 (AEP,West Germany)...MANUAL, INSTRUCTION
(GERMAN,DUTCH,SWEDISH,ITALIAN)

*4-925-153-01 CUSHION
*4-925-154-01 INDIVIDUAL CARTON

Note: The components identified by mark or dotted line with mark are critical for safety.
Replace only with part number specified.